

Application No.: 10/658,174

Docket No.: JCLA10514

In The Claim:

Please amend the claims according to the following listing of claims and substitute it for all prior versions and listings of claims in the application.

Claim 1. (currently amended) A double waveform method for driving a transmission line originally at an initial voltage on the transmission line to a final voltage, the double waveform method comprising the steps of:

finding a first voltage, a second voltage, a first voltage maintenance period and a second voltage maintenance period according to the initial voltage and the final voltage;

applying putting-up the first voltage on the transmission line for a time period equal to the first voltage maintenance period; and

applying putting-up the second voltage on the transmission line for a time period equal to the second voltage maintenance period; and

applying putting-up the final voltage on the transmission line.

Claim 2. (currently amended) The method of claim 1, ~~wherein either the first voltage or the second voltage is higher than the final voltage when the final voltage is higher than the initial voltage~~ wherein if the final voltage is higher than the initial voltage, the first voltage is configured to be higher than the final voltage and the second voltage is lower than the final voltage, and if the final voltage is lower than the initial voltage, the first voltage is configured to be lower than the final voltage and the second voltage is higher than the final voltage.

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Claim 3. (cancelled)

Claim 4. (currently amended) The method of claim 1, wherein the transmission line is includes the transmission line on a flat display panel.

Claim 5. (currently amended) The method of claim 1, wherein a buffer unit ~~can be~~ is deployed to drive the transmission line.

Claim 6. (original) The method of claim 5, wherein the buffer unit is coupled to a digital-to-analogue converter.

Claim 7. (original) The method of claim 6, wherein the digital-to-analogue converter is coupled to a waveform encoder.

Claim 8. (currently amended) A double waveform method for driving a signal through a transmission line ~~at a first initial voltage~~, comprising the steps of:

putting a first voltage on the transmission line for a first period of time;

putting a second voltage on the transmission line for a second period of time, wherein the first period of time and the second period of time are configured according to an initial voltage of the signal and a final voltage which is desired to be obtained on the transmission line; and

putting a final voltage on the transmission line.

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Claim 9. (currently amended) The method of claim 8, wherein ~~either the first voltage or the second voltage is higher than the final voltage when the final voltage is higher than the initial voltage~~ if the final voltage is higher than the initial voltage, the first voltage is configured to be higher than the final voltage and the second voltage is lower than the final voltage, and if the final voltage is lower than the initial voltage, the first voltage is configured to be lower than the final voltage and the second voltage is higher than the final voltage.

Claim 10. (cancelled)

Claim 11. (currently amended) The method of claim 8, wherein the transmission line ~~includes~~ is the transmission lines on a flat display panel.

Claim 12. (original) The method of claim 8, wherein a buffer unit can be deployed to drive the transmission line.

Claim 13. (original) The method of claim 12, wherein the buffer unit is coupled to a digital-to-analogue converter.

Claim 14. (original) The method of claim 13, wherein the digital-to-analogue converter is coupled to a waveform encoder.

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Claims 15-21 (cancelled)

Claim 22. (new) The method of claim 1, wherein a plurality of resistance-capacitance (RC) coupling units are serially interposed on the transmission line, wherein during the first voltage maintenance period, the first voltage is applied on the transmission line and the serially interposed RC coupling units are sequentially changing, and during the second voltage maintenance period, the second voltage is applied on the transmission line and the serially interposed RC coupling units are sequentially discharging.

Claim 23. (new) The method of claim 8, wherein a plurality of resistance-capacitance (RC) coupling units are serially interposed on the transmission line, wherein during the first period of time, the first voltage is applied on the transmission line and the serially interposed RC coupling units are sequentially changing, and during the second period of time, the second voltage is applied on the transmission line and the serially interposed RC coupling units are sequentially discharging.